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Claims

Scope of Claims

1. Ultraviolet illumination equipment that has a dielectric-barrier discharge lamp located within a receptacle, and a window in the receptacle through which the ultraviolet radiation from the dielectric-barrier discharge lamp is emitted, and that is characterized by establishment of a heating means to heat the window to at least 100°C.

2. Ultraviolet illumination equipment as described in claim 1 above, in which the heating means is established within the ultraviolet illumination equipment.

3. Ultraviolet illumination equipment as described in claim 2 above, in which the heating means is a thick-film heater formed on the surface of the window.

4. Ultraviolet illumination equipment as described in claim 2 above, in which the heating means is a linear heater formed on the surface of the window.

5. Ultraviolet illumination equipment as described in claim 2 above, in which the heating means is an incandescent bulb.

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Summation

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This invention is to prevent reaction products due to ultraviolet radiation from adhering to the window, to prevent reduction of the intensity of the ultraviolet radiation, and to prevent the formation of debris from the reaction products.

Presentation of Invention

Ultraviolet illumination equipment that has a dielectric-barrier discharge lamp 2 located within a receptacle 1, and a window 3 in the receptacle 1 through which the ultraviolet radiation from the

a dielectric-barrier discharge lamp 2 is emitted, and that is characterized by establishment of a heating means to heat the window 3 to at least 100°C.

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